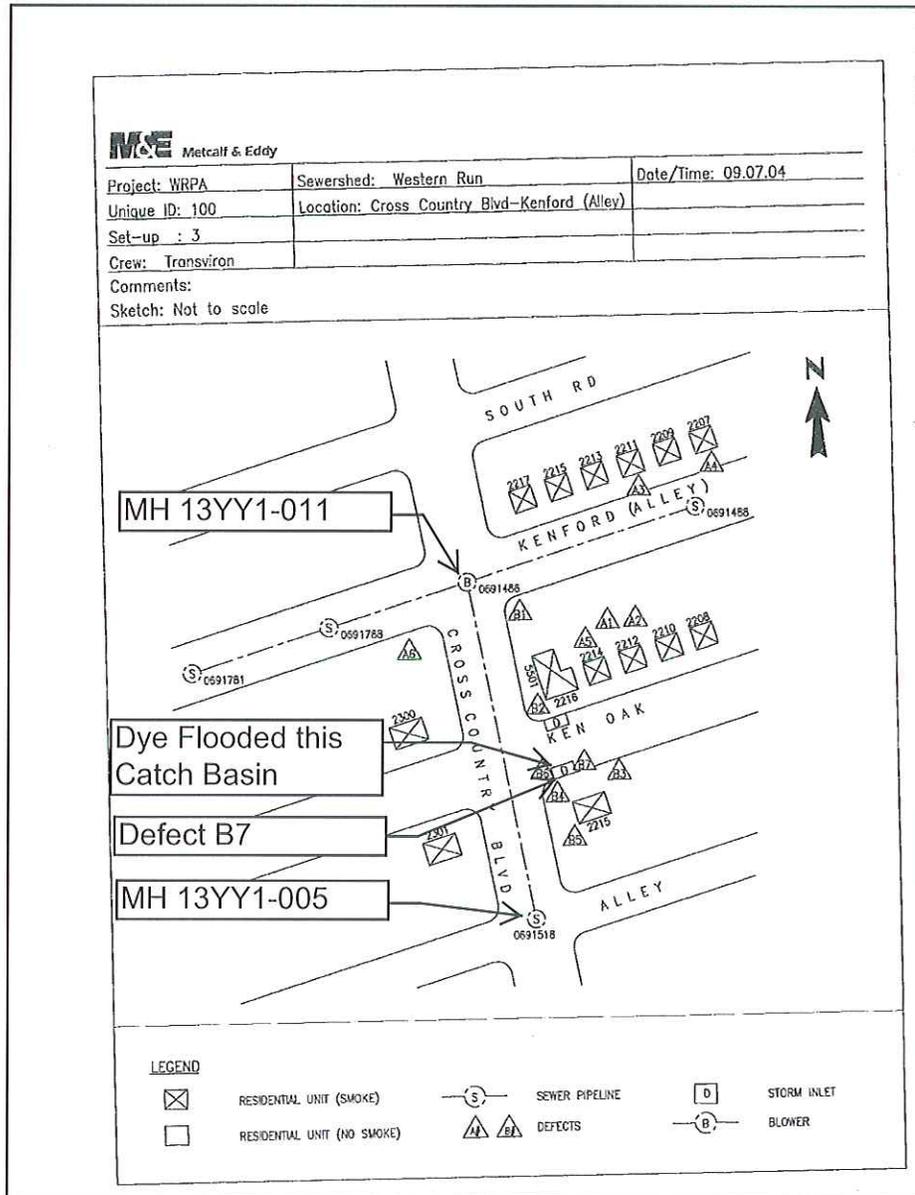




Smoke and Dye-Water Observation Summary

Western Run Pilot Project - Baltimore Maryland

FIELD SKETCH



Sketch No: 100

Filename Path:

X:\Baltimore City\Western Run Pilot Area - Data Files\Smoke Testing\Pictures\Sketches\100.tif

Image Status: Image found and displayed.

NOTE: Sanitary sewer alignments and connectivity in the Western Run GIS have been revised following smoke testing to reflect updated information from various sources and may no longer match the field sketches shown.

# DYE TESTING FORM

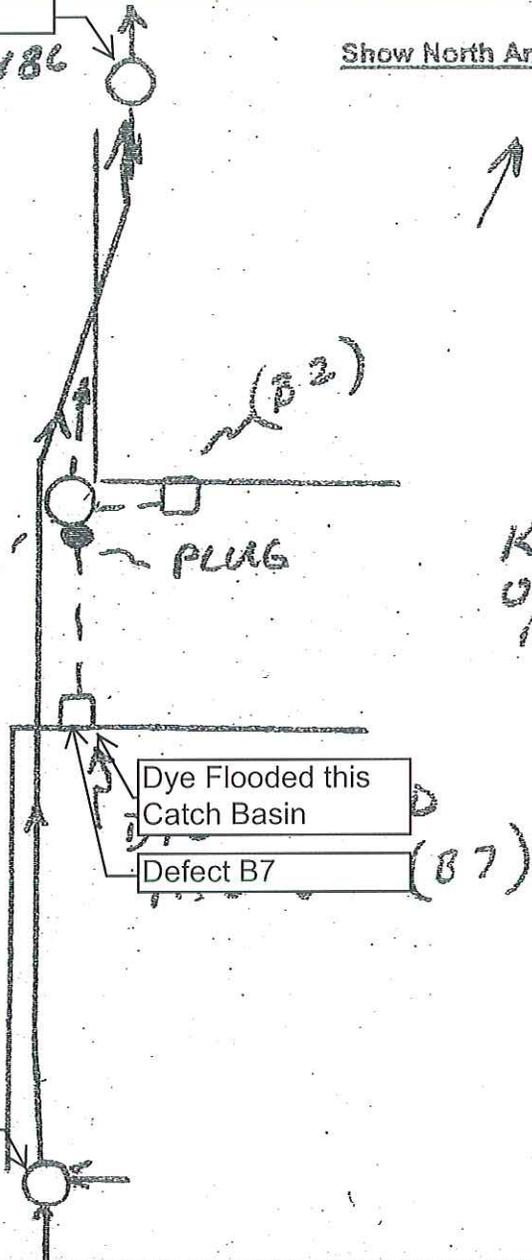
Sketch (NTS)  
Dye Test 100

MH 13YY1-011

0691486

Show North Arrow

CROSS COUNTRY  
BLVD.



MH 13YY1-005

0691518

RESULT CODES	SOURCE TYPE NOTES			
1. POSITIVE	1. MAIN SEWER	5. DOWN SPOUT	9. STAIRWELL DRAIN	13. STORM DRAIN
2. NEGATIVE	2. SERVICE LINE	6. DWN SPT CONN.	10. FOUNDATION DRAIN	14. CATCH BASIN
3. CANNOT TEST	3. TRANSITION JOIN	7. AREA DRAIN	11. BUILDING INTERIOR	15. STORM MH
	4. CLEAN OUT	8. DRIVEWAY DRAIN	12. MH FRAME/SEAL	16. STORM DITCH

Additional Comments: B2 WAS NOT DYE FLOODED AT THIS TIME  
AS PER BILL FREEDY - WOULD HAVE SAME  
RESULTS AS B7

AKL 1.1.1

## INSPECTION REPORT

DATE: 20050418	WORK ORDER:	WEATHER: Dry	OPERATOR: JAM / pending	SECTION NR: 42	SECTION NAME:
PRESENT:	VEHICLE: Metcalf & Eddy	CAMERA: City of Baltimore	PRESET:	CLEANED: N No pre-cleaning	RATE:

STREET: CROSS COUNTRY BLVD.	MAP #1: N Not Controlled	MH: 0691486
CITY: BALTIMORE 100 B 7	MAP #2:	MH: 0691518
LOCALE: F Sidewalk	TAPE #: JAM 5	TVD LGTH: 185.13 ft

INSPECT REASON: DYE FLOODING	PIPE SIZE: Circular
SECTION TYPE: SS Sanitary	MATERIAL: VCP JT LGTH: 3ft
AREA: 01_WR11	RSRVD:

REMARK:

1:475	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	Access Points, Manhole, 0691486	1	00:06:44	
	44.07	Roots, Fine, Connection, from 08 to 12 o'clock	2	00:08:55	8a
	56.24	Roots, Fine, Connection, from 09 to 11 o'clock	2	00:09:35	9a
	82.40	Tap, Factory Made, Active, at 12 o'clock	1	00:10:46	
	107.05	Obstacles, Brick or Masonry, less than 10% of cross sectional area, from 06 to 08 o'clock	2	00:12:12	11a
	115.60	Obstacles, Brick or Masonry, less than 10% of cross sectional area, from 05 to 08 o'clock, start	2	00:12:54	12a
	128.38	Crack, Longitudinal, Non continuous (less than 3 feet long), at 09 o'clock & 11 o'clock	3	00:14:15	14a
	166.92	Pipe Failure, Broken, Break extends to more than 3 clock positions, from 08 to 04 o'clock	5	00:17:16	15a
	173.36	Infiltration, Gusher, from 01 to 04 o'clock	5	00:17:53	16a
	173.36	Fracture, Longitudinal, Non continuous (less than 3 feet long), at 11 o'clock	2	00:17:56	17a
	176.47	Infiltration, Runner, at 03 o'clock	4	00:19:00	18a
	176.47	Infiltration, Gusher, from 12 to 12 o'clock	5	00:19:00	19a
	176.47	Infiltration, Runner, at 12 o'clock	4	00:19:00	20a
	176.47	Crack, Longitudinal, Non continuous (less than 3 feet long), at 12 o'clock & 3 o'clock	3	00:19:00	21a, b
	179.19	Infiltration, Runner, at 10 o'clock	4	00:19:55	22a
	185.13	Crack, Longitudinal, Non continuous (less than 3 feet long), at 08 o'clock	3	00:20:50	23a
	185.13	Miscellaneous, Survey Abandoned, NO MORE DTE FLOODING LEAKS SEEN.		00:20:50	

## INSPECTION IMAGES

CITY: <b>BALTIMORE 100 B 7</b>	STREET: <b>CROSS COUNTRY BLVD.</b>	DATE: <b>20050418</b>	SECTION NR: <b>42</b>	SECTION NAME:
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IMAGE: 8a, TAPE #: JAM 5, 00:08:55  
44.07FT, Roots, Fine, Connection, from 08 to 12 o'clock



IMAGE: 9a, TAPE #: JAM 5, 00:09:35  
56.24FT, Roots, Fine, Connection, from 09 to 11 o'clock

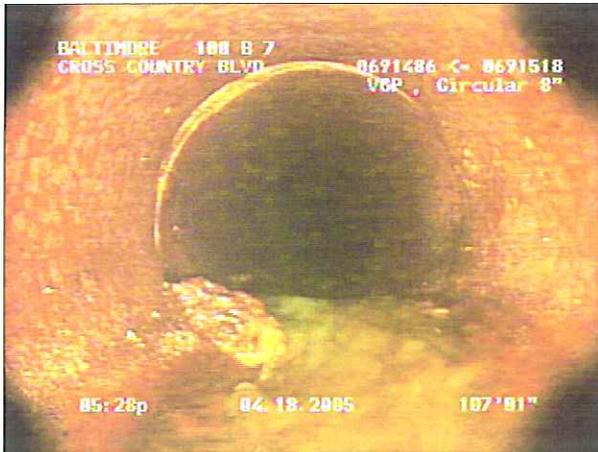


IMAGE: 11a, TAPE #: JAM 5, 00:12:12  
107.05FT, Obstacles, Brick or Masonry, less than 10% of cross sectional area, from 06 to 08 o'clock

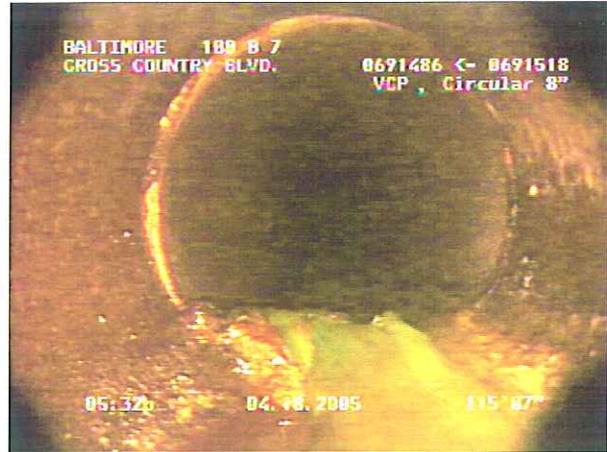


IMAGE: 12a, TAPE #: JAM 5, 00:12:54  
115.6FT, Obstacles, Brick or Masonry, less than 10% of cross sectional area, from 05 to 08 o'clock, start

## INSPECTION IMAGES

CITY: BALTIMORE 100 B 7	STREET: CROSS COUNTRY BLVD.	DATE: 20050418	SECTION NR: 42	SECTION NAME:
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IMAGE: 14a, TAPE #: JAM 5, 00:14:15  
128.38FT, Crack, Longitudinal, Non continuous (less than 3 feet long), at 09 o'clock & 11 o'clock



IMAGE: 15a, TAPE #: JAM 5, 00:17:16  
166.92FT, Pipe Failure, Broken, Break extends to more than 3 clock positions, from 08 to 04 o'clock



IMAGE: 16a, TAPE #: JAM 5, 00:17:53  
173.36FT, Infiltration, Gusher, from 01 to 04 o'clock



IMAGE: 17a, TAPE #: JAM 5, 00:17:56  
173.36FT, Fracture, Longitudinal, Non continuous (less than 3 feet long), at 11 o'clock

## INSPECTION IMAGES

CITY: <b>BALTIMORE 100 B 7</b>	STREET: <b>CROSS COUNTRY BLVD.</b>	DATE: <b>20050418</b>	SECTION NR: <b>42</b>	SECTION NAME:
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IMAGE: 18a, TAPE #: JAM 5, 00:19:00  
176.47FT, Infiltration, Runner, at 03 o'clock



IMAGE: 19a, TAPE #: JAM 5, 00:19:00  
176.47FT, Infiltration, Gusher, from 12 to 12 o'clock



IMAGE: 20a, TAPE #: JAM 5, 00:19:00  
176.47FT, Infiltration, Runner, at 12 o'clock

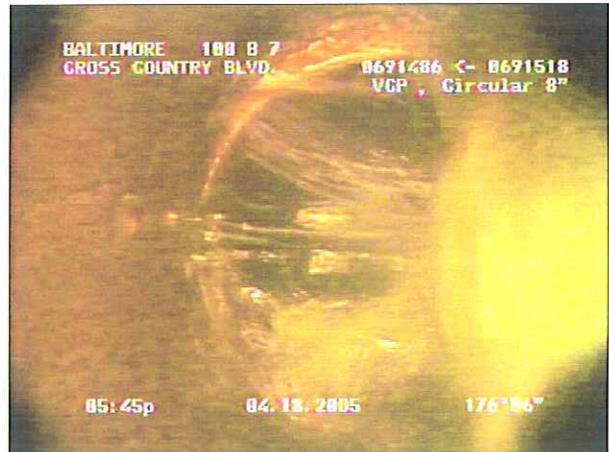


IMAGE: 21a, TAPE #: JAM 5, 00:19:00  
176.47FT, Crack, Longitudinal, Non continuous (less than 3 feet long), at 12 o'clock & 3 o'clock

## INSPECTION IMAGES

CITY:	STREET:	DATE:	SECTION NR:	SECTION NAME:
BALTIMORE 100 B 7	CROSS COUNTRY BLVD.	20050418	42	

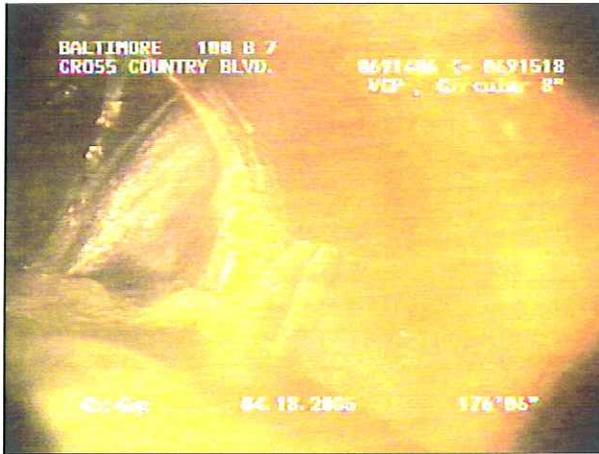


IMAGE: 21b, TAPE #: JAM 5, 00:19:00  
176.47FT, Crack, Longitudinal, Non continuous (less than 3 feet long), at 12 o'clock & 3 o'clock



IMAGE: 22a, TAPE #: JAM 5, 00:19:55  
179.19FT, Infiltration, Runner, at 10 o'clock



IMAGE: 23a, TAPE #: JAM 5, 00:20:50  
185.13FT, Crack, Longitudinal, Non continuous (less than 3 feet long), at 08 o'clock



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## INSPECTION REPORT

DATE: 20050418	WORK ORDER:	WEATHER: Dry	OPERATOR: JAM / pending	SECTION NR: 41	SECTION NAME:
PRESENT:	VEHICLE: Metcalf & Eddy	CAMERA: City of Baltimore	PRESET:	CLEANED: N No pre-cleaning	RATE:

STREET: CROSS COUNTRY BLVD.	MAP #1: N Not Controlled	MH: 0691518
CITY: BALTIMORE 100 B 7	MAP #2:	MH: 0691486
LOCALE: F Sidewalk	TAPE #: JAM 5	TV'D LGTH: 65.4 ft

INSPECT REASON: DYE FLOODING	PIPE SIZE: Circular
SECTION TYPE: SS Sanitary	MATERIAL: VCP JT LGTH: 3ft
AREA: 01_WR11	LINING:
	RSRVD:

REMARK: DYE TEST 100 B 7

1:175	DIST	OBSERVATION	RATE	VCR #	PH
	0.00	Access Points, Manhole, 0691518	1	00:00:00	
	18.21	Fracture, Circumferential, Less than 50% of Circumference, from 08 to 10 o'clock	3	00:01:29	2a
	21.13	Circumferential, Less than 50% of Circumference, from 02 to 04 o'clock	3	00:01:47	3a
	30.28	Fracture, Circumferential, Less than 50% of Circumference, from 08 to 10 o'clock	3	00:02:23	4a
	42.46	Obstacles, Brick or Masonry, greater than 10% less than 30% of cross sectional are, from 05 to 07 o'clock	3	00:03:14	5a
	65.40	Miscellaneous, Survey Abandoned, CONCRETE CHUNK PUSHED DOWN FROM 42"	1	00:06:44	6a, b

## INSPECTION IMAGES

CITY: BALTIMORE 100 B 7	STREET: CROSS COUNTRY BLVD.	DATE: 20050418	SECTION NR: 41	SECTION NAME:
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IMAGE: 2a, TAPE #: JAM 5, 00:01:29  
18.21FT, Fracture, Circumferential, Less than 50% of Circumference, from 08 to 10 o'clock



IMAGE: 3a, TAPE #: JAM 5, 00:01:47  
21.13FT, Circumferential, Less than 50% of Circumference, from 02 to 04 o'clock



IMAGE: 4a, TAPE #: JAM 5, 00:02:23  
30.28FT, Fracture, Circumferential, Less than 50% of Circumference, from 08 to 10 o'clock



IMAGE: 5a, TAPE #: JAM 5, 00:03:14  
42.46FT, Obstacles, Brick or Masonry, greater than 10% less than 30% of cross sectional area, from 05 to 07 o'clock

### INSPECTION IMAGES

CITY: BALTIMORE 100 B 7	STREET: CROSS COUNTRY BLVD.	DATE: 20050418	SECTION NR: 41	SECTION NAME:
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IMAGE: 6a, TAPE #: JAM 5, 00:06:44  
65.4FT, Miscellaneous, Survey Abandoned, CONCRETE  
CHUNK PUSHED DOWN FROM 42"



IMAGE: 6b, TAPE #: JAM 5, 00:06:44  
65.4FT, Miscellaneous, Survey Abandoned, CONCRETE  
CHUNK PUSHED DOWN FROM 42"